Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/12/2018 09:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123656	-2	2.07	123747	2.07
Blue	F	SSC	125000	124150	-1	1.96	124879	1.89
Blue	E	FITC	16596	16105	-3	3.09	348	21.27
Blue	D	PE	29392	28630	-3	2.29	622	16.63
Blue	B	PerCP-Cy5-5	38531	38081	-2	4.48	1168	22.91
Blue	A	PE-Cy7	26351	26060	-2	8.25	635	46.00
Red	C	APC	43035	42011	-3	2.91	1589	13.26
Red	A	APC-Cy7	25611	25112	-2	3.32	877	13.05
Violet	B	V450	8803	8458	-4	4.31	470	14.00
Violet	A	V500	32560	31932	-2	3.88	742	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20360	3.56	610	13	N/A	N/A	Pass
Blue	F	SSC	56273	1.56	574	19	N/A	N/A	Pass
Blue	E	FITC	62	68.71	559	9	0.0174	161	Pass
Blue	D	PE	131	56.24	559	10	0.1308	298	Pass
Blue	B	PerCP-Cy5-5	224	53.09	664	13	0.0071	12	Pass
Blue	A	PE-Cy7	124	112.10	722	17	0.0087	22	Pass
Red	C	APC	372	28.29	602	5	0.0205	165	Pass
Red	A	APC-Cy7	215	27.80	576	5	0.0046	643	Pass
Violet	B	V450	74	63.87	476	1	0.0495	2325	Pass
Violet	A	V500	111	33.28	486	2	0.0213	581	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.18	-31.88	1.14
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	17.09	13.60 - 20.40	N/A	N/A	29.30	29.60	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13295

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments